

01193500 SALMON RIVER NEAR EAST HAMPTON, CT--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 1953, April 1954, October 1960 to September 1961, June 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1975 to September 1993.

pH: December 1984 to September 1992.

WATER TEMPERATURES: March 1975 to April 1993.

DISSOLVED OXYGEN: January 1985 to September 1992.

SUSPENDED-SEDIMENT DISCHARGE: January 1982 to September 1986, October 1987 to September 1990.

INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE: March 1987 to September 1987.

INSTRUMENTATION.--Water-quality 2-channel mini-monitor March 1975 to September 1984, August 1993 to September 1993.

Water-quality 4-channel mini-monitor October 1984 to April 1993.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 257 microsiemens Jan. 1, 1990; minimum, 23 microsiemens February 23, 1978.

pH: Maximum, 8.8 units Oct. 14, 1985, Aug. 9, 18, 19, 1987; minimum 6.2 units Dec. 19, 1986, Jan. 24, March 13, Sept. 30, 1992.

WATER TEMPERATURES: Maximum, 32.0°C Aug. 2, 1975; minimum, 0.0°C on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 17.1 mg/L March 9, 1986; minimum 0.2 mg/L Dec. 3, 1986.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,870 mg/L June 6, 1982; minimum daily mean, 0 mg/L on numerous days.

SEDIMENT LOADS: Maximum daily, 95,400 tons June 6, 1982; minimum daily, 0 tons on numerous days.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (90095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 13...	0830	68	114	112	7.0	12.0	10.0	.6	11.5	102	42
JAN 04...	1100	135	92	90	7.3	14.0	6.0	1.3	12.8	99	24
APR 12...	1145	288	85	86	7.1	8.0	8.0	1.2	12.0	101	K11
JUL 20...	1325	47	105	111	7.6	23.5	22.0	1.4	9.3	107	44
DATE	ENTERO-COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO-COCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT MG/L AS CACO3 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT 13...	26	--	24	6.51	1.85	9.9	2.1	0	15	12	11.8
JAN 04...	23	--	20	5.33	1.63	7.9	1.4	0	11	9	10.1
APR 12...	--	K8	16	4.42	1.30	7.8	1.5	0	10	8	7.7
JUL 20...	--	15	22	5.98	1.70	9.4	1.7	0	18	15	7.0
DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 13...	15.2	<.1	9.8	71	74	<.010	<.050	<.020	--	.32	.20
JAN 04...	13.1	<.1	9.4	60	62	<.010	.293	.020	.22	.23	E.10
APR 12...	11.5	<.1	6.4	56	57	<.010	.168	<.020	--	.19	.16
JUL 20...	14.8	<.1	8.8	71	69	<.010	.140	<.020	--	.26	.25

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 13...	--	E.005	E.005	<.010	17	<1	10	<1	<1.0	<.8	<1
JAN 04...	.53	E.005	E.003	<.010	19	<1	9	<1	<1.0	<.8	<1
APR 12...	.36	.008	E.003	<.010	<41	<1	8	<1	<1.0	<.8	<1
JUL 20...	.40	.012	.008	<.010	19	<1	6	<1	<1.0	<.8	<1

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 13...	<1	80	<1	3	<1	<1	<1	1	<1	5.4
JAN 04...	<1	80	<1	12	<1	<1	<1	2	<1	2.7
APR 12...	<1	70	<1	12	<1	1	<1	<4	<1	4.1
JUL 20...	<1	200	<1	7	<1	1	<1	<1	<1	4.1